

Table 3 – Recommended Additions / Modifications to Region 9 303(d) List of Impaired Waterbodies

Basin Number	Waterbody	Pollutant / Stressor	Extent of Impairment	TMDL Priority	TMDL Schedule	Rationale	Total Samples	Monitoring Dates	Information Source(s)	
1	901.13	Aliso Creek	Enterococci	Entire reach and most of the HSA, including Aliso Hills Channel, English Canyon Creek, Dairy Fork Creek, Sulphur Creek and Wood Canyon Creek	Medium	5/05 - 3/08	All 10 stations exceeded Basin Plan objective. Along Aliso Creek, at least 33% of the samples exceeded the objective. In the tributaries, at least 22% exceeded the objective.	9 samples at each of the 10 stations (Aliso Creek and tributaries combined)	6/99 - 8/99	205(j) Planning Study
										205(j) Planning Study
			Escheria coli	Entire reach and most of the HSA, including Aliso Hills Channel, English Canyon Creek, Dairy Fork Creek, Sulphur Creek and Wood Canyon Creek	Medium	5/05 - 3/08	All 10 stations exceeded Basin Plan objective. Along Aliso Creek, at least 22% of the samples exceeded the objective. In the tributaries, at least 22% exceeded the objective.	9 samples at each of the 10 stations (Aliso Creek and tributaries combined)	6/99 - 8/99	205(j) Planning Study
										205(j) Planning Study
			Fecal coliform	Entire reach (previous listing was for the lower 1 mile of the creek)	Medium	5/05 - 3/08	Four stations along the creek had geometric means at least 5 times greater than the Basin Plan objective	5	Oct-98	205(j) Planning Study
			Phosphorus	Entire reach	Medium	5/05 - 3/08	97% of samples violated Basin Plan Objective	40	7/97 - 6/00	NPDES Monitoring
Toxicity	Entire Reach	Medium	5/05 - 3/08	55% of samples violated Basin Plan Objective	20	9/98, 11/98, 1/99	205(j) Planning Study			
2	901.14	Dana Point Harbor	Bacterial Indicators*	0.4 miles at Baby Beach	Medium	5/05 - 3/08	54 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of Orange, Environmental Health Care Agency
			Copper (dissolved)	Entire Harbor	Low	1/06 - 11/08	42% of samples violated Ocean Plan Objective	42	10/97-5/00	NPDES Monitoring
3	901.27 ^A	Pacific Ocean Shoreline	Bacterial Indicators*	0.4 miles (South Capistrano State Beach at Beach Rd)	Low	7/04 - 11/07	41 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of Orange, Environmental Health Care Agency
4	901.31	Prima Deshecha Creek	Phosphorus	1/2 mile upstream of station - mouth of creek	Low	7/09 - 5/12	85% of samples violated Basin Plan Objective	54	7/97 - 6/00	NPDES Monitoring
			Turbidity	1/2 mile upstream of station - mouth of creek	Low	7/09 - 5/12	72% of samples violated Basin Plan Objective	54	7/97 - 6/00	NPDES Monitoring
5	901.31	Segunda Deshecha Creek	Phosphorus	1/2 mile upstream of station - mouth of creek	Low	7/09 - 5/12	81% of samples violated Basin Plan Objective	43	8/97 - 6/00	NPDES Monitoring
			Turbidity	1/2 mile upstream of station - mouth of creek	Low	7/09 - 5/12	49% of samples violated Basin Plan Objective	43	8/97 - 6/00	NPDES Monitoring

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6 901.51 ^B	Pacific Ocean Shoreline	Bacterial Indicators*	0.4 miles (San Onofre State Beach at San Mateo Creek outlet)	Low	7/04 - 11/07	15 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health
7 902.22	Sandia Creek	Total Dissolved Solids	Lower 1.5 miles	Low	7/09 - 5/12	100% of samples violated Basin Plan Objective	11	quarterly sampling 97-2000	Final Report of Water Quality Studies & Proposed Watershed Monitoring Program for Portions of San Mateo and Santa Margarita River Watershed
8 902.22	Santa Margarita River (upper)	Phosphorus	17.5 miles	Low	7/09 - 5/12	3 studies reviewed. Exceedances: Study 1= 4/7 (57%) & 5/7 (71%), Study 2= 1/1 & 1/1, Study 3= 1/8 (13%). In total, 12 of 24 (50%) samples exceeded Basin Plan Objective	32	quarterly sampling 97-00	Final Report of Water Quality Studies & Proposed Watershed Monitoring Program for Portions of San Mateo and Santa Margarita River Watershed. SDRWQCB Monitoring Data. RCWD Annual Receiving Water Monitoring Report (2000)
9 902.52	Murrieta Creek	Phosphorus	1.8 mi.	Low	7/09 - 5/12	71% of samples violated Basin Plan Objective	8	quarterly sampling 97-2000	Final Report of Water Quality Studies & Proposed Watershed Monitoring Program for Portions of San Mateo & Santa Margarita River Watershed. SDRWQCB Monitoring Data.
10 903.11	San Luis Rey River	Chloride	Lower 13 miles	Low	7/09 - 5/12	3 stations, 74% of samples > 250 mg/L	31	10/97 - 11/00	City of Oceanside Water Utilities Lab
		Total Dissolved Solids	Lower 17 miles	Low	7/09 - 5/12	5 stations, 100% of samples > 500 mg/L	33	10/97 - 11/00	City of Oceanside Water Utilities Lab
11 904.31	Agua Hedionda Creek	Diazinon	Lower 2 miles	Medium	7/05 - 5/08	67% of samples > 0.09ug/L (EPA Criterion Continuous Concentration)	6	11/98 - 3/00	NPDES Monitoring
		Total Dissolved Solids	Lower 8 miles	Low	7/07 - 5/10	78% of samples violated Basin Plan Objective	9	6/98 - 3/00	NPDES Monitoring

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12	905.21	Green Valley Creek	Sulfate	1 mile	Low	7/07 - 5/10	55% of samples violated Basin Plan Objective	20	4/99 - 5/01	City of San Diego Water Quality Lab
13	905.21	Lake Hodges	Color	Entire Reservoir	Low	7/07 - 5/10	100% of samples violated Basin Plan Objective	15	12/97 - 12/00	City of San Diego Water Quality Lab
			Nitrogen	Entire Reservoir	Low	7/07 - 5/10	Majority of samples exceed Basin Plan Objective, Excessive algal growth evident	205	1996 - 2001	City of San Diego Water Quality Lab, Narrative Descriptions by San Diego Water Department
			Phosphorus	Entire Reservoir	Low	7/07 - 5/10	Majority of samples exceed Basin Plan Objective, Excessive algal growth evident	205	1996 - 2001	City of San Diego Water Quality Lab, Narrative Descriptions by San Diego Water Department
			Total Dissolved Solids	Entire Reservoir	Low	7/07 - 5/10	100% of samples violated Basin Plan Objective	11	9/98 - 12/00	City of San Diego Water Quality Lab
14	905.23	Felicita Creek	Total Dissolved Solids	Lower 2 miles	Low	7/07 - 5/10	100% of samples violated Basin Plan Objective	21	4/99 - 5/01	City of San Diego Water Quality Lab
15	905.23	Kit Carson Creek	Total Dissolved Solids	1 mile	Low	7/07 - 5/10	94% of samples violated Basin Plan Objective	18	4/99 - 5/01	City of San Diego Water Quality Lab
16	905.31	Cloverdale Creek	Phosphorus	1mile	Low	7/07 - 5/10	All values > Basin Plan Objective of 0.1 mg/L Range=0.146-0.178 mg/L	8	4/99 - 5/00	City of San Diego Water Quality Lab
			Total Dissolved Solids	1 mile	Low	7/07 - 5/10	All values > Basin Plan Objective of 500 mg/L Range=1390-1620 mg/L	8	4/99 - 5/00	City of San Diego Water Quality Lab
17	905.53	Sutherland Reservoir	Color	Entire Reservoir	Low	7/07 - 5/10	87% of samples exceed Basin Plan Objective, Excessive algal growth and odor also present	15	1996-2000	City of San Diego Water Quality Lab, Narrative Descriptions by San Diego Water Department
18	906.10	Pacific Ocean Shoreline	Bacterial Indicators*	0.4 miles (Torrey Pines State Beach at Los Penasquitos Lagoon Outlet)	Medium	5/05 - 3/08	32 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health

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19 907.11 ^c	Pacific Ocean Shoreline	Bacterial Indicators*	0.4 miles (Ocean Beach at Bermuda Ave.)	Low	7/05 - 10/06	13 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health
20 907.12	Forrester Creek	Fecal coliform	Lower 1 mile	Medium	5/06 - 3/09	69% of samples violated Basin Plan Objective during both wet and dry weather	9	4/00 - 12/00	Padre Dam Municipal Water District Receiving Water Sampling and Analysis
		pH	Upper 3 miles	Low	7/07 - 5/10	Avg value = 9.5, 77% of the values above pH 8.5	52	7/97 - 1/01	NPDES Monitoring and City Spill Reports
		Total Dissolved Solids	Lower 1 mile	Low	7/07 - 5/10	18 of 18 samples > Secondary Maximum Contaminant Level for Drinking Water	18	10/97 - 12/00	Padre Dam Municipal Water District Receiving Water Sampling and Analysis
21 907.12	San Diego River (Lower)	Fecal coliform	Lower 6 miles	Medium	5/06 - 3/09	69% of samples violated Basin Plan Objective during both wet and dry weather	13	4/00 - 12/00	Padre Dam Municipal Water District Receiving Water Sampling and Analysis
		Oxygen (dissolved)	Lower 20 miles	Low	1/07 - 11/09	Sampling twice per month, at several stations, consistently below Basin Plan Objectives	95	9/97 - 5/01	Padre Dam Municipal Water District Receiving Water Sampling and Analysis
		Phosphorus	Lower 20 miles	Low	1/07 - 11/09	Sampling twice per month, at several stations, consistently below Basin Plan Objectives	122	9/97 - 5/01	Padre Dam Municipal Water District Receiving Water Sampling and Analysis
		Total Dissolved Solids	Lower 15 miles	Low	1/07 - 11/09	Sampling twice per month, at several stations, consistently below Basin Plan Objectives	153	9/97 - 12/00	Padre Dam Municipal Water District Receiving Water Sampling and Analysis

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22	908.00, 909.00 and 910.00	San Diego Bay (908.10 ^B)	Bacterial Indicators*	0.4 miles (San Diego Bay Shoreline at Kellog Street Beach)	Low	7/04 - 2/06	13 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health
				0.4 miles (San Diego Bay Shoreline at Shelter Island Shoreline Park)	Low	7/04 - 2/06	24 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health
	San Diego Bay, (908.22) Near Switzer Creek	Degraded Benthic Community	Outlet of creek bound by piers to the north and south, extending out to edge of piers	High	6/02 - 4/05	Relative Benthic Index = 0.02 (Below 0.3 is considered impaired). Chemical Concentrations > 4 X ERM & > 5.9 X PEL.	1 Core, sampled 3 times compared against 75 cores from all of SD Bay	12/3/96 (data available in 1998)	Bay Protection Toxic Clean-up Program and 1998 Addendum	
		Sediment Toxicity	Outlet of creek bound by piers to the north and south, extending out to edge of piers	High	6/02 - 4/05	Less than 48% survival of amphipods in laboratory toxicity tests	1 sample, 5 replicates	12/3/96 (data available in 1998)	Bay Protection Toxic Clean-up Program and 1998 Addendum	
		San Diego Bay, Coronado HA (910.10 ^B)	Bacterial Indicators*	0.4 miles (San Diego Bay Shoreline at Tidelands Park)	Low	7/04 - 2/06	17 days of Beach Closures and/or General Advisories	unknown	1/00 - 12/00	County of San Diego, Department of Environmental Health
23	910.00	Pacific Ocean Shoreline	Bacterial Indicators*	Coronado Beach at North Beach, Sunset Park, Loma Avenue and Pine Street	NA	NA	Suggested for de-listing: Monitoring and reporting data show <10 days of exceedances of water quality objectives for bacteria	unknown	1/00 - 12/00	City of Coronado
24	911.11	Tijuana Estuary	Oxygen (dissolved)	Entire Estuary	Low	3/11 - 1/14	1/2 hr. interval monitoring consistently below minimum Basin Plan Objective	Data collected every 30 minutes for all of 1997-98	1997 - 1998	Tijuana Estuary Monitoring
25	911.40	Pine Valley Creek (Upper)	Enterococci	Lower 2 miles	Medium	5/06 - 3/09	55% of samples violated Basin Plan Objective	11	1/98 - 9/98	USDA Forest Service

* Bacterial Indicators implies that impairment was found from total coliform, fecal coliform, enterococci or any combination of the three.

A = This is not a new listing, but a change in extent to a 1998 listing. This specific location exists within the hydrologic boundaries of the 1998 listing: Lower San Juan HSA (901.27), Pacific Ocean Shoreline.

B = This is not a new listing, but a change in extent to a 1998 listing. This specific location exists within the hydrologic boundaries of the 1998 listing: San Clemente HA (901.30), San Mateo Canyon HA (901.40) & San Onofre HA (901.50), Pacific Ocean Shoreline.

C = This is not a new listing, but a change in extent to a 1998 listing. This specific location exists within the hydrologic boundaries of the 1998 listing: San Diego HU (907.00).

D = This is not a new listing, but a change in extent to a 1998 listing. This specific location exists within the hydrologic boundaries of the 1998 listing: Pueblo San Diego HU (908.00) and Sweetwater HU (909.00), San Diego Bay Shoreline.

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